

Oroville Facilities Relicensing

Engineering and Operations Work Group Resource Action Matrix

Note: Inclusion of Resource Actions in this document at this time does not denote support by any member of the Engineering and Operations Work Group

E&O Resource Number (Resource Classification Category)	DWR Resource Tracking Number	Stakeholder Resource Number	Description of Potential Resource Action	Temperature Related	Flow/Water Level Related	Construction/Heavy Equipment	OFD O&M	Permitting	Cross-Resource/Area Effect	Nexus to the Project Operations	Need Additional Info	Comments and Additional Information	Technical Contacts/ Resource Team	Date for NarrativeReport
Thermalito Afterbay														
EO1 (2)		BC PME #3	Thermalito Afterbay Water Temperature Improvements: Construct facilities to convey cold water directly to TAB Outlet facility	X		X	X	X	X		X	Initial analyses of historical afterbay water temperature data show a difference of 2 to 4 degrees between the TAB outlet and Western Canal Diversion. From that set of analyses, we believe the maximum reduction in water temperature for release to the river is 2 to 4 degrees; however, the increase in the Western Canal diversion water temperature is probably somewhat less than that amount. Consider weir or canal options that may be more reasonable.	Art Hinojosa (modeling), Rashid Ahmad (engineering)	Mar-04
EO2 (2)		BC PME #3	Thermalito Afterbay Water Temperature Improvements: Curtail pumpback and peaking during 4-week rice planting season	X	X				X			Compare Scenario 1 to benchmark to determine potential change in water temperature conditions in the afterbay.	Lori Mathis (modeling)	Mar-04
EO3 (2)		BC PME #3	Thermalito Afterbay Water Temperature Improvements: Operate Lake Oroville TCD to optimize for recreation, rice production, and fisheries needs.	X	X		X		X				Lori Mathis (modeling)	Mar-04
EO4 (3)		BC PME #3	Thermalito Afterbay Water Temperature Improvements: Construct canal to allow river diverters to take water from afterbay.	X		X	X	X	X		X	Depending upon the diversion point from the afterbay, the change in water temperature would be similar to the change in EO1 for Western Canal.	Rashid Ahmad (engineering) Stuart Edell	
Operations Coordination														
EO5 (4)		LFCA PM&E #17	Lake Oroville Oversight Committee									Could be associated with an adaptive management program.	Curtis Creel, Lori Brown	Feb-04
EO6 (4)		BC PME #6	Lake Oroville Oversight Committee									Combined with EO5.	See EO5 Above	Feb-04
Flood Operations														
EO7 (2)		BC PME #10	Develop an early warning system to convey important information during flood events.				X					Awaiting results from SP-E4. Activities outside of relicensing in the flood management area currently addressing downstream local concerns about flood issues.	Rashid Ahmad, Curtis Creel, Stuart Edell, Bill Lewis, Mary Keller	Jul-04

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EO8 (2)		BC PME #10	Provide specific information on inundation, flood travel times, and flow/stage relationships at key locations along the Feather River.									Awaiting results from SP-E4. DWR/YCWA/USACE study on storm centerings may also provide flow/stage information for this action.	Rashid Ahmad, Curtis Creel, Stuart Edell, Bill Lewis, Mary Keller	Jul-04
Feather River Upper Watershed														
EO9 (x)		BC PME #11	Develop a watershed protection plan to reduce intensity of wildfires and improve water quality and quantity.									This resource action has been transferred to the Land Use Workgroup; however, investigating possible watershed modeling will need to be closely coordinated with the E&O Workgroup.	Art Hinojosa, Stuart Edel	
Local Infrastructure														
EO10 (x)		BC PME #8	Develop and Implement Measures and Programs to Rectify Past, Present, and Future Lake Oroville Facilities and Operational Impacts on Local Government Services and Infrastructure										Lori Brown, Stuart Edell	

Key for "Resource Classification Category" Column (Note: "x" denotes the resource action has not yet been classified.)

- 1. These resource actions have sufficient information to determine that the action could reasonable be expected to produce beneficial results.
- 2. These resource actions are awaiting study plan or technical analyses before the EOWG can determine if they could produce beneficial results.
- 3. These resource actions have a high degree of uncertainty regarding the ability to affect the desired outcome.
- 4. Recommendation for consideration as a settlement issue.
- 5 Not recommended for further consideration.